

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

**1. (Currently Amended)** A method for enabling the generation of an updated web-page for storage in one of a plurality of cache servers, said method comprising:

~~[selecting first and second caches from said plurality of caches;]~~

implementing programmable rules executing on each of the plurality of cache servers,

each [a first] programmable rule defining a [first] triggering event associated with its corresponding [the first] cache server, the occurrence of the triggering event being [which is] indicative of the existence of an obsolete portion of said web-page stored in said [first] corresponding cache server;

~~[implementing a second programmable rule defining a second triggering event associated with the second cache, the occurrence of which is indicative of the existence of an obsolete portion of said web page in said second cache, the second triggering event being different from the first triggering event;]~~

detecting an occurrence of a [said first] triggering event at a particular cache server selected from the plurality of cache servers;

in response to the occurrence of said [first] triggering event, causing said particular cache server to request [requesting] an update of said obsolete portion; and

receiving an updated portion of said web-page for storage at said particular cache server [in said first cache].

**2. (Original)** The method of claim 1, further comprising

generating a web-page incorporating said updated portion therein; and

serving said web-page to a user.

**3. (Currently Amended)** The method of claim 1, wherein implementing said ~~[first]~~

programmable rules comprises interpreting a script containing instructions for defining a [said] rule.

**4. (Currently Amended)** The method of claim 1, wherein detecting said ~~[first]~~ triggering event comprises detecting an elapsed time defined by ~~[said-first]~~ a programmable rule.

**5. (Currently Amended)** The method of claim 1, wherein detecting said ~~[first]~~ triggering event comprises detecting the receipt of an updated portion of said web-page.

**6. (Previously Presented)** The method of claim 1, wherein requesting an update comprises formulating a database query to be carried out by a database engine.

**7. (Previously Presented)** The method of claim 1, wherein said method further comprises providing an assembly script containing instructions for assembling constituent portions of a web-page and said updated portion into an updated web-page.

**8. (Currently Amended)** The method of claim 1, wherein

causing said particular cache-server to request ~~[requesting]~~ an update comprises

establishing communication with an origin server and causing said particular cache server to request ~~[requesting]~~ said update therefrom, and

receiving an updated portion comprises receiving said updated portion from said origin server.

**9. (Previously Presented)** The method of claim 8, further comprising providing a cache memory

element separate from said origin server.

10. **(Previously Presented)** The method of claim 8, further comprising providing a cache memory element at said origin server.

11. **(Original)** The method of claim 1, further comprising collecting access-data indicative of how frequently said web-page is requested.

12. **(Currently Amended)** The method of claim 11, further comprising managing the content of caches [~~said caches~~] in said cache servers in response to said access-data.

13. **(Currently Amended)** A web-serving system comprising:

a [~~first~~] plurality of cache servers each having [~~a first~~] a corresponding cache memory;  
and

~~a second cache server having a second cache memory;~~

a [~~first~~] cache manager in communication with said [~~first~~] corresponding cache memory for controlling content of said [~~first~~] corresponding cache memory, said [~~first~~] cache manager being configured to execute a [~~first~~] programmable script, said script being configured for detecting the occurrence of a [~~first~~] triggering event, and in response to detection of said [~~first~~] triggering event, causing said [~~first~~] cache manager to request an update of said content of said [~~first~~] cache memory. [~~;~~and]

~~a second cache manager in communication with said second cache memory for controlling content of said second cache memory, said second cache manager being configured to execute a second programmable script for detecting the occurrence of a second triggering event, and in response to detection of said second triggering event, causing said second cache manager to request an update of said content of said second cache memory;~~

~~wherein said first triggering event is different from said second triggering event.~~

14. **(Original)** The web-serving system of claim 13, further comprising a usage-monitor for collecting access-data indicative of the frequency with which a selected web-page is requested.
15. **(Currently Amended)** The web-serving system of claim 14, wherein said usage-monitor provides said access data to said ~~[one of said first and second]~~ programmable script[s], and said ~~[one of said first and second]~~ programmable script[s] alters content of [a] said corresponding ~~[one of said first and second]~~ cache memory[ies] in response to said access-data.
16. **(Currently Amended)** The web-serving system of claim 13, further comprising a communication path between ~~[one of]~~ said ~~[first and second]~~ programmable script[s] and an administrator process, said communication path enabling said ~~[one of said first and second]~~ programmable script[s] to receive instructions from said administrator process.
17. **(Currently Amended)** The web-serving system of claim 13, further comprising a page assembler executing on ~~[one of]~~ said cache server[s], the page assembler containing instructions for assembling constituent portions of a web-page into a web-page.
18. **(Cancelled)**
19. **(Currently Amended)** A computer-readable medium having encoded thereon software for updating web-pages stored in caches, each cache being associated with a corresponding cache server from a plurality of cache serves, said software comprising instructions for:
- ~~implementing first a programmable rule defining a first triggering event associated with a first cache, the occurrence of which is indicative of an obsolete portion of a web-page in the first cache;~~

~~implementing a second programmable rule defining a second triggering event associated with a second cache, the occurrence of which is indicative of an obsolete portion of a web page in the second cache, the second triggering event being different from the first triggering event;~~

~~detecting an occurrence of one of the first and second triggering events;~~

~~in response to the occurrence of the detected triggering event, requesting an update of a corresponding obsolete portion; and~~

~~receiving an updated portion of said web page for storage in the cache associated with the detected triggering event.~~

implementing programmable rules executing on each of the plurality of cache servers, each programmable rule defining a triggering event associated with its corresponding cache server, the occurrence of the triggering event being indicative of the existence of an obsolete portion of said web-page stored in said corresponding cache server;

detecting an occurrence of a triggering event at a particular cache server selected from the plurality of cache servers;

in response to the occurrence of said triggering event, causing said particular cache server to request an update of said obsolete portion; and

receiving an updated portion of said web-page for storage at said particular cache server.

**20. (Original)** The computer-readable medium of claim 19, wherein said software further comprises instructions for:

generating a web-page incorporating said updated portion therein; and

serving said web-page to a user.

- 21. (Currently Amended)** The computer-readable medium of claim 19, said instructions for implementing said first programmable rule further comprise instructions for interpreting a [first] script containing instructions for defining [said] a first programmable rule.
- 22. (Currently Amended)** The computer-readable medium of claim 19, wherein said instructions for detecting said [first] triggering event comprise instructions for detecting an elapsed time defined by said [first] programmable rule.
- 23. (Currently Amended)** The computer-readable medium of claim 19, wherein said instructions for detecting said [first] triggering event comprise instructions detecting the receipt of an updated portion of said web-page.
- 24. (Original)** The computer-readable medium of claim 19, wherein said instructions for requesting an updated portion of said web page comprise instructions for formulating a database query to be carried out by a database engine.
- 25. (Previously Presented)** The computer-readable medium of claim 19, said computer-readable medium further comprises instructions for assembling constituent portions of a web-page and said updated portion into an updated web-page.
- 26. (Currently Amended)** The computer-readable medium of claim 19, wherein
- said instructions for causing said particular cache server to request [requesting] an update comprise instructions for establishing communication with an origin server and requesting said update therefrom, and
- said instructions for causing said particular cache server to receive [receiving] an updated portion comprise instructions for receiving said updated portion from said origin server.

Applicant : Mark E. Kriegsman and Benjamin W.  
Wyckoff  
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**27. (Original)** The computer-readable medium of claim 19, wherein said software further comprises instructions for collecting access-data indicative of how frequently said web-page is requested.

**28. (Previously Presented)** The computer-readable medium of claim 27, wherein said software further comprises instructions for managing the content of said caches in response to said access-data.